Excel Test Zone

NAPLAN*-style

YEAR 5

SAMPLE TEST 2

NUMERACY

FIRST NAME _____

LAST NAME _____

SCHOOL'S NAME _____

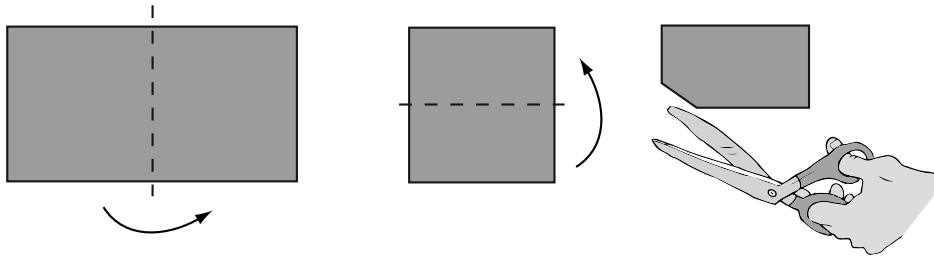**0:50** Time available for students to complete the Numeracy Test: 50 minutes
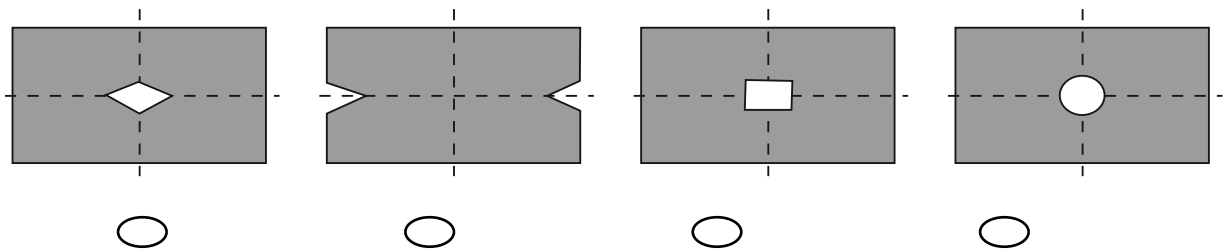
Use 2B or HB pencil **only**.

YEAR 5 NUMERACY

1 Nathaniel folded a sheet of paper in half and then folded it in half again.

From the folded corner he cut out a triangle.

What did his paper look like when he unfolded it?

◯   ◯   ◯   ◯

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2 What number is two thousand and sixty?
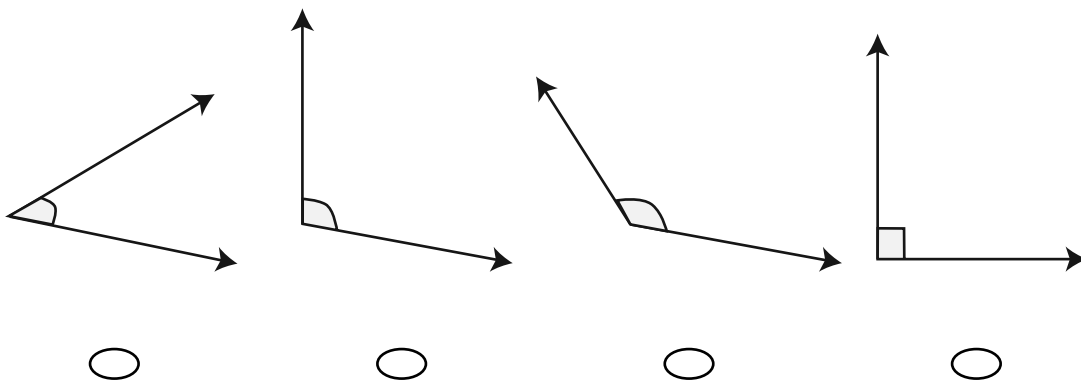
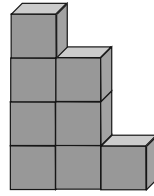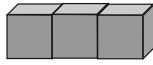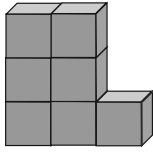206   2006   2060   2600

◯   ◯   ◯   ◯

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3 Which angle is the largest?

◯   ◯   ◯   ◯

YEAR 5 NUMERACY

4 Which solid has the smallest volume?

○   ○   ○   ○

5 A hundreds chart has a section covered by a rectangle.

On the chart Karen placed 20 small discs in a counting pattern starting at 3.

1	2	●	4	5	●	7	8	●	10
11	●	13	14	●	16	17	●	19	20
●	22	23	●	25	26	●	28	29	●
31	32	●	34					●	40
41	●	43	44					49	50
●	52	53	●					59	●
61	62	63	64					69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

On what number did Karen place the 15th disc?

45   47   48   55

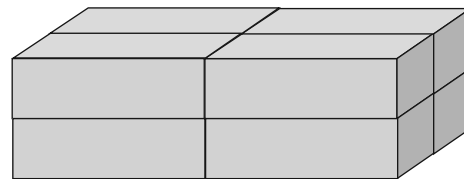○   ○   ○   ○

6 This object is made from eight identical rectangular prisms.

Carlos paints the object.

After the paint is dry, Carlos breaks the object into the eight identical prisms.

How many faces of the eight rectangular prisms have not been painted?
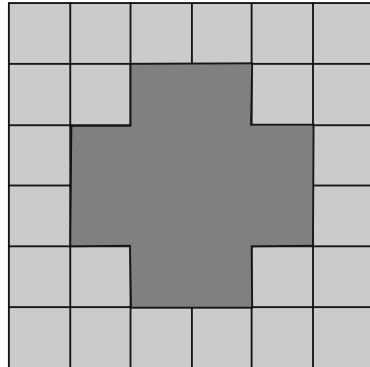
12   24   30   36

○   ○   ○   ○

7 The grid shows squares which each have an area of one square unit.

What is the area of the part of the grid which is **not** shaded?

14 square units	16 square units	20 square units	24 square units
◯	◯	◯	◯

8 Brianna asked 50 people how many hours they spend on the internet each week. The results are shown in the table.

Total hours on Internet			
	5 hours or less	More than 5 hours	Total people
Males	13	8	21
Females	15	14	29

How many people spend **more than 5 hours** on the internet each week?

13	22	28	50
◯	◯	◯	◯

9 What is the next number in the sequence?

$$\boxed{759} \quad \boxed{779} \quad \boxed{799} \quad \boxed{}$$

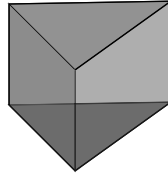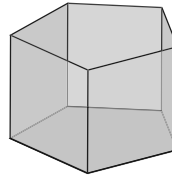**10**
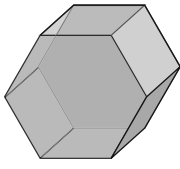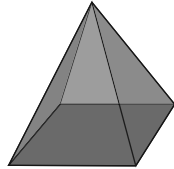
I   II   III   IV

Which two of these solids have the same number of faces?

I and II   I and III   II and III   III and IV

○   ○   ○   ○

11 Amy works out the answer to this question.

$$5624 \div 8 = \boxed{}$$

What number will be her answer?
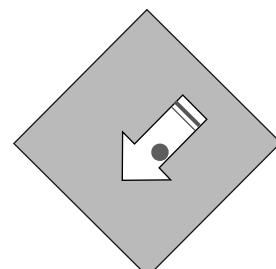
73   703   7003   7030
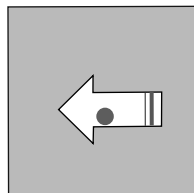
○   ○   ○   ○

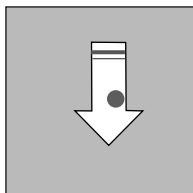**12** Miranda rotated the square a quarter-turn in a clockwise direction.
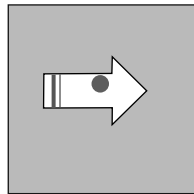
Which of these is the new square?

○   ○   ○   ○
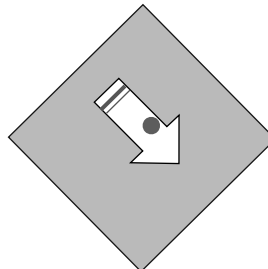
13 Su-Li has a $5 note.

She buys a loaf of bread for $3.75.

$3.75

BREAD

What change would Su-Li receive?

○   ○   ○   ○

---

14 Huw lines up two of his toy cars and his toy truck along a ruler.

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
mm
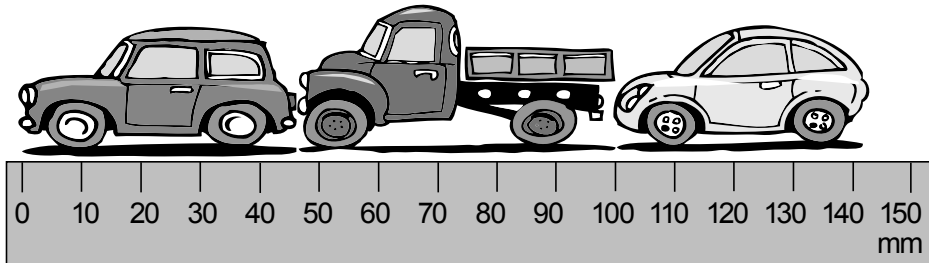
Approximately how long is Huw's toy truck?

46 mm   54 mm   100 mm   142 mm
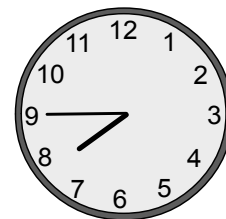
○   ○   ○   ○

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15 This clock on the kitchen wall is showing the wrong time.
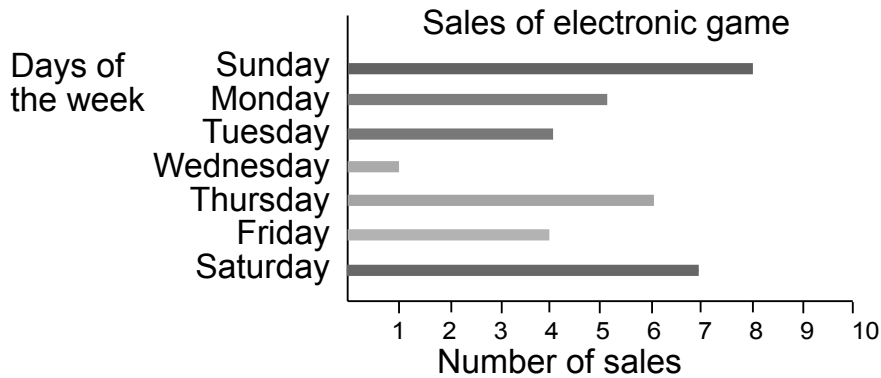It is 20 minutes slow.

What is the correct time?

7:20   7:25   7:55   8:05

○   ○   ○   ○

16 This graph shows the number of sales of an electronic game at a toy shop.

Sales of electronic game

| Days of the week	
Sunday	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	

1 2 3 4 5 6 7 8 9 10
Number of sales

Which statement is true?

○ There were more games sold on Monday than Thursday.

○ There were more games sold on Friday than on Tuesday.

○ There were less games sold on Monday than on Wednesday.

○ There were less games sold on Saturday than Sunday.

17 From her local shop, Gabriela can buy packets of toilet paper in two sizes.

A packet of six rolls costs $2.60 and a packet of eight rolls costs $3.20.

$2.60 6 ROLLS $3.20 8 ROLLS
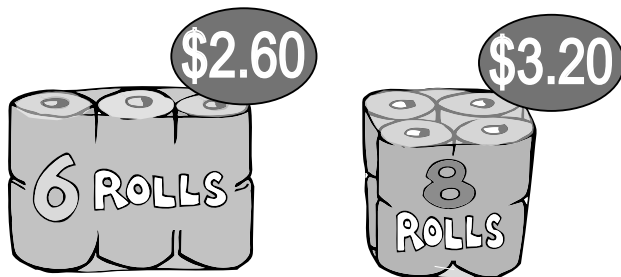
Gabriela has $6 to spend on toilet paper.

What is the most number of toilet rolls she can buy?

12	14	16	20
○	○	○	○

YEAR 5 NUMERACY

18 Rania made a spinner with four colours: green (G), blue (B), yellow (Y) and red (R).

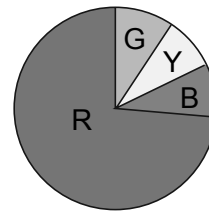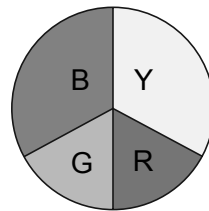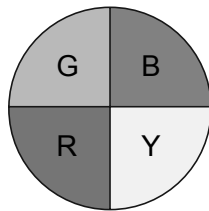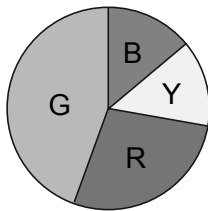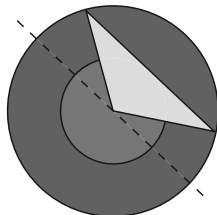When she spins the arrow on her spinner:

- It is three times as likely to spin a green rather than a yellow.
- It is twice as likely to spin a red rather than a blue.
- It is equally likely to spin a yellow and a blue.

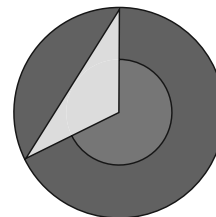Which of these could be Rania's spinner?

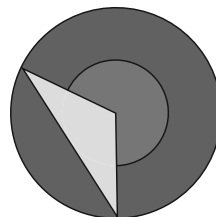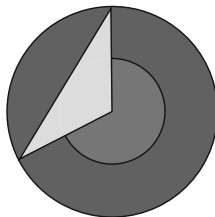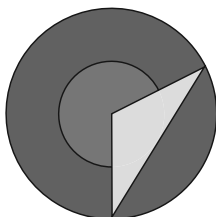○   ○   ○   ○

19 Clara drew two circles and a triangle.

She reflected the triangle across the dotted line.

Which one of these pictures shows the shape after the reflection?

○   ○   ○   ○

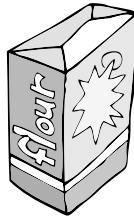**20** What is the missing number?

$$4 \times \boxed{} = 3 \times 12$$

YEAR 5 NUMERACY

21 Joanna used a bag to carry her groceries.

She put three items into the bag.

Soft drink
1282 g

Flour
811 g

Yoghurt
543 g

Which would give the best estimate for the total mass of the three items in the bag?

○ 1200 g + 800 g + 500 g
○ 1300 g + 800 g + 500 g
○ 1300 g + 800 g + 600 g
○ 1200 g + 800 g + 600 g

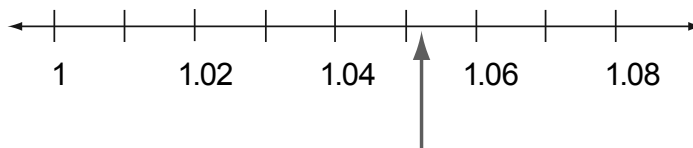**22** The table shows the two world records for the pole vault.

World Record Pole Vaults (metres)	
Men	6.14
Women	5.05

What is the difference in metres between the men's record and the women's record?
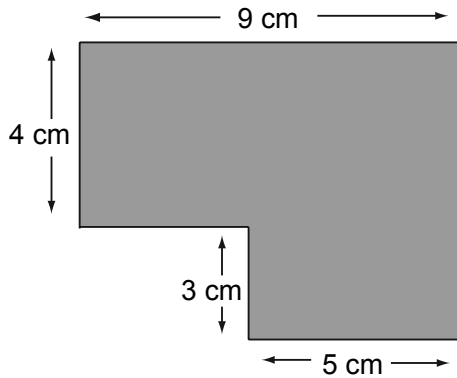
[   ] metres

23 A number line is drawn.

```
  +----+----+----+----+----+----+----+----+--->
  1       1.02     1.04     1.06     1.08
```

What number could the arrow point to?

1.053   1.53   1.035   1.05

○   ○   ○   ○

24 What is the perimeter of this shape?

9 cm

4 cm

Not to scale

3 cm

5 cm

15 cm	21 cm	25 cm	32 cm
◯	◯	◯	◯

25 Graeme used the map of the town to walk from the post office along Main Street to the hospital.

Post Office

Albert Way

Main Street

Hospital

Bridge Street

School ←Bank

Park Avenue

Chemist

Scale

100 m

N
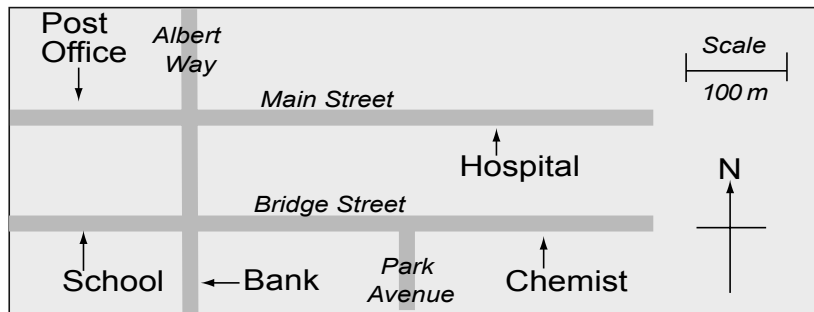
Using the scale, what is the closest estimate for the distance Graeme walked?

40 m	400 m	4 km	14 km
◯	◯	◯	◯

26 Narayan divided 516 by a number.
His answer was 5.16.

$$516 \div \boxed{} = 5.16$$

What is the missing number?

10	100	1000	10 000
◯	◯	◯	◯

Excel Test Zone Year 5 NAPLAN-style Sample Test 2

YEAR 5 NUMERACY

27 A number line is drawn.
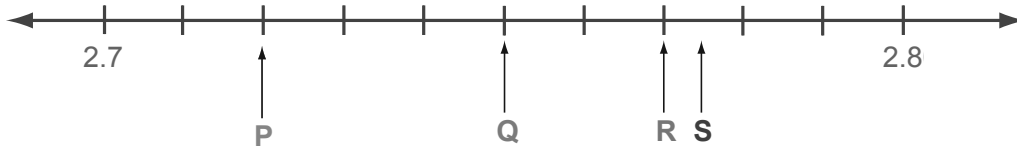
Which arrow is closest to 2.75 on the number line?

P	Q	R	S
⬭	⬭	⬭	⬭

28 Jannah arrived at the train station at the time shown on the clock.
All the trains were running on time.
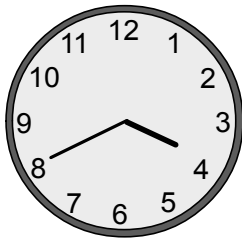
Train destination	Train departs at
3:29	Mount Carmel
3:39	Laurence
3:43	Juniper Valley
3:51	Barton Ridge

According to the train timetable, where is the next train going?

Mount Carmel	Laurence	Juniper Valley	Barton Ridge
⬭	⬭	⬭	⬭

29 Paul opens a 2.4-L container of apple juice.
He pours 300 mL into a glass.

How much juice remains in the container?

2.1 L	2.2 L	2.23 L	2.37 L
⬭	⬭	⬭	⬭

YEAR 5 NUMERACY

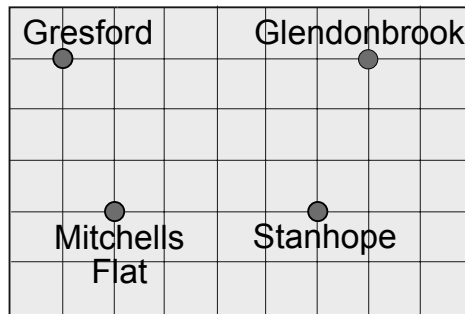**30** Grace spins the arrow on the wheel.
The arrow points to the winning colour.
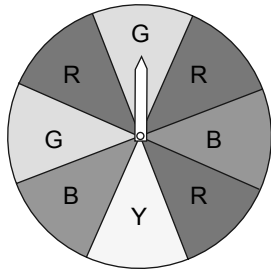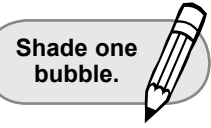
Which colour has the **smallest** chance of winning?

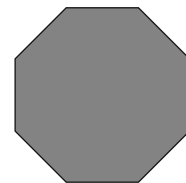red   blue   green   yellow

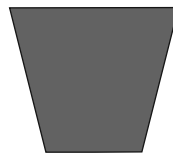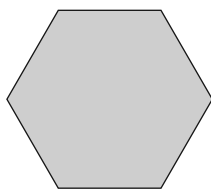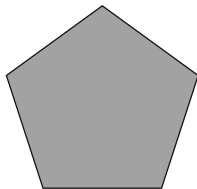◯   ◯   ◯   ◯

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31 The grid shows the location of four towns.
The shortest distance between Gresford and Glendonbrook is 30 km.

What is the shortest distance between Mitchells Flat and Stanhope?

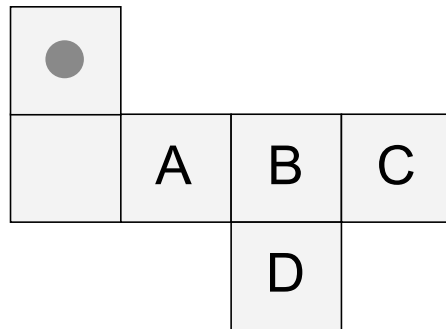4 km   12 km   20 km   40 km

◯   ◯   ◯   ◯

---

32 Which shape is an octagon?

◯   ◯   ◯   ◯

YEAR 5 NUMERACY

33 This net forms a cube. Each of the six faces will have a different number of dots, from one to six.

When the cube is formed each pair of opposite faces adds to seven. The face with one dot is shown in the diagram.
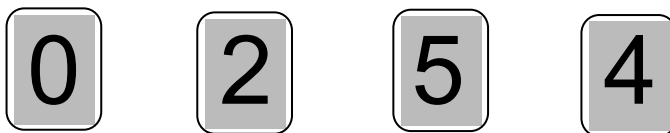
Where would the ⚅ be?

A	B	C	D
◯	◯	◯	◯

34 What is the missing digit that will make the number sentence true?

$$5\ \square\ 7 + 4\ 5 = 6\ 1\ 2$$

3	5	6	7
◯	◯	◯	◯

35 Joachin had these four cards.

0	2	5	4

What is the **largest** number that can be **divided by 5** that can be made from these cards?

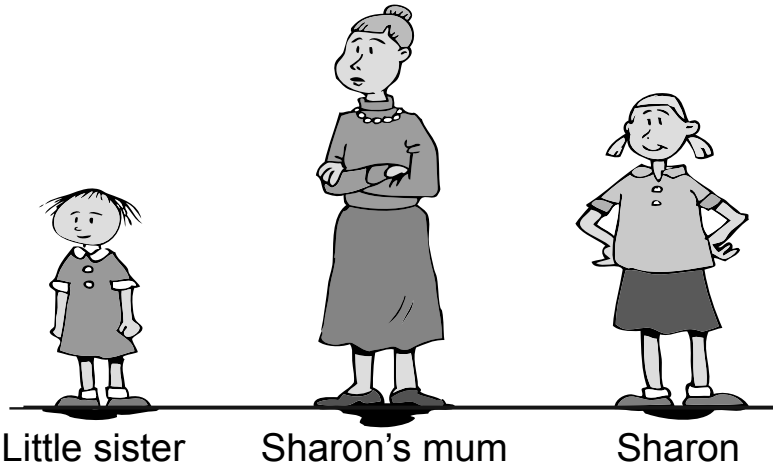**36** Sharon's little sister is 90 cm tall.

Her mother is 170 cm tall.

Sharon's height is exactly halfway between her little sister and her mother.

Little sister   Sharon's mum   Sharon

How much **taller** is Sharon than her little sister?

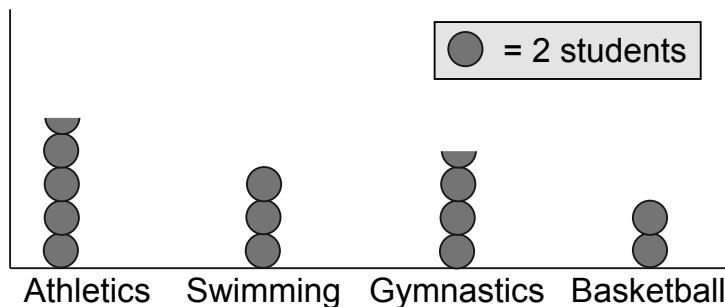| 40 cm	80 cm	130 cm	140 cm
◯	◯	◯	◯

37 This graph shows students' favourite sports at the Olympic Games.

Students' favourite sports at the Olympic Games

● = 2 students

Athletics   Swimming   Gymnastics   Basketball

How many **more** students preferred athletics to gymnastics?

1	2	3	4
◯	◯	◯	◯

38 This shape is made from 24 tiles.
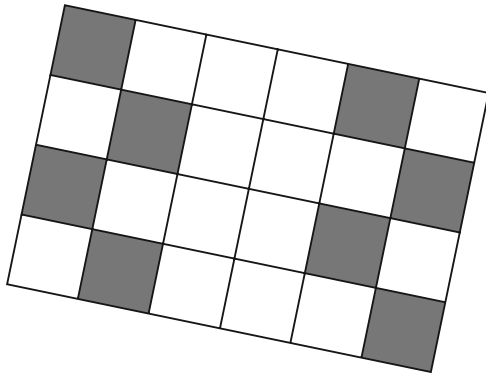
What fraction is shaded?

$\dfrac{8}{12}$ ⟨○⟩ $\dfrac{1}{3}$ ⟨○⟩ $\dfrac{1}{6}$ ⟨○⟩ $\dfrac{1}{12}$ ⟨○⟩

---

39 What number is the same as 4 hundreds + 2 tens + 8 tenths + 3 hundredths?
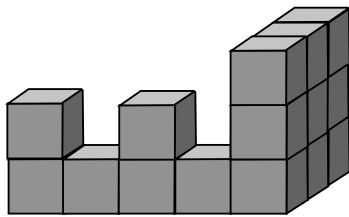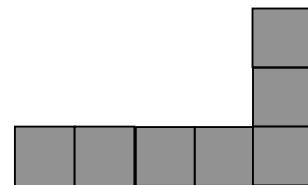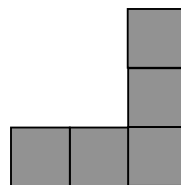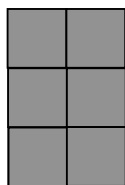
420.83 ○   42.83 ○   4283 ○   4.283 ○

---

40 This object was made from identical cubes.

What is its view from the top?
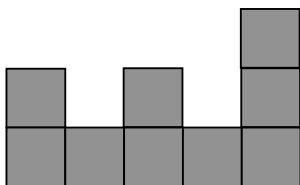
 ○   ○   ○   ○

END OF TEST

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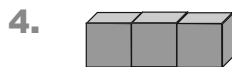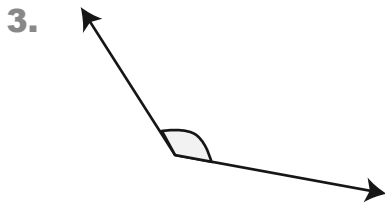
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Year 5 NAPLAN-style Sample Test 2
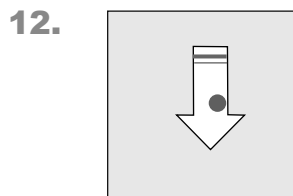## NUMERACY

1.

2. 2060

3.

4.
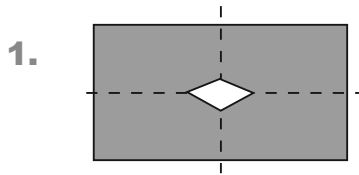
5. 45

6. 24

7. 24 square units

8. 22

9. 819

10. II and III

11. 703

12.
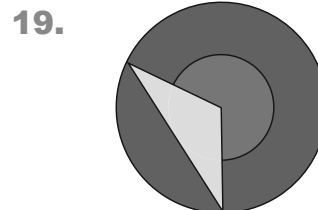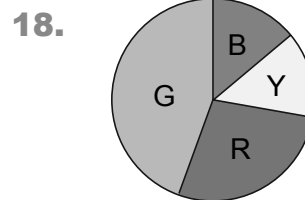
13.

14. 54 mm

15. 8:05

16. There were less games sold on Saturday than Sunday.

17. 14

18.

19.

20. 9

21. 1300 g + 800 g + 500 g

22. 1.09

23. 1.053

24. 32 cm

25. 400 m

26. 100

27. **Q**

28. Juniper Valley

Excel Test Zone Year 5 NAPLAN-style Sample Test 2
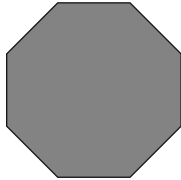
29. 2.1 L

30. yellow

31. 20 km

32.

33. D

34. 6

35. 5420

36. 40 cm

37. 2

38. $\frac{1}{3}$

39. 420.83

40.

Excel Test Zone Year 5 NAPLAN-style Sample Test 2