Second Level

Primary 7

Baseline Assessment

Numeracy and Mathematics

Name	
Date	
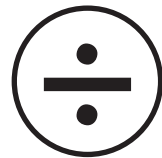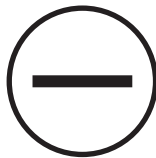
Second level baseline assessment

1. a) 2135 × 3

Use this space for your workings

_____

b) 3155 × 7

Use this space for your workings

_____

2. a) 8456 ÷ 4

Use this space for your workings

_____

b) 1052 ÷ 2

Use this space for your workings

_____

3. What is 1327 less than 6439? _____

1 mark

4. a) How many thousands are in 3 227 562? _____

2 marks

b) Write the number 2 925 521 in words.

_____

5. Toy Treasures had a batch of new stock delivered to the store. There were 320 products in total. 10% were toy vehicles, 25% were dolls, 30% were jigsaws and the rest were video games. How many of each product arrived in the delivery?

4 marks

a) Toy Vehicles _____   c) Jigsaws   _____

b) Dolls   _____   d) Video Games _____

6. Complete the following calculations:

2 marks

a) 274 × 1000 = _____

b) 846 × 100 = _____

total for this page

7. Each floor of the shopping mall has employed a new cleaner. The pay is agreed at £240 per week. Jane works on the ground floor, where there are five shops. John works on the first floor, where there are four shops and Jill works on the second floor where there are two shops. On average, how much is each person being paid to clean one shop?

a) Jane   _____

b) John   _____

c) Jill   _____

3 marks

8. The shopping mall has a prize fund of £8000 to share between ten lucky shoppers. The prize will be divided equally between them. How much will each person receive?

_____

1 marks

9. What is one tenth of 570?   _____

1 marks

10. Complete the following calculations:

1 marks

a) $30 \times 70 =$ _____

b) $84 \times 60 =$ _____

c) $27 \times 80 =$ _____

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11. Shoe Rack calculated their sales from last weekend. 35% of sales were on trainers, 27% on formal shoes. The rest were on school shoes. What percentage of last week's sales were on school shoes?

_____

3 marks

12. The staff at Shoe Rack have been given new time sheets. They clocked off at these times:

a) John 8:17 a.m.   _____

b) Samantha 5:43 p.m.   _____

c) Fiona 9:12 p.m.   _____

Write these as 24-hour times.

1 mark

13. Write the measurement in centimetres.

3145mm   _____

1 mark

14. Write the measurement in millimetres.

467cm   _____
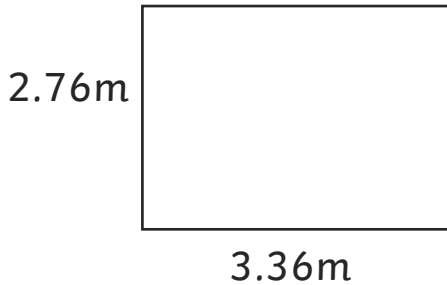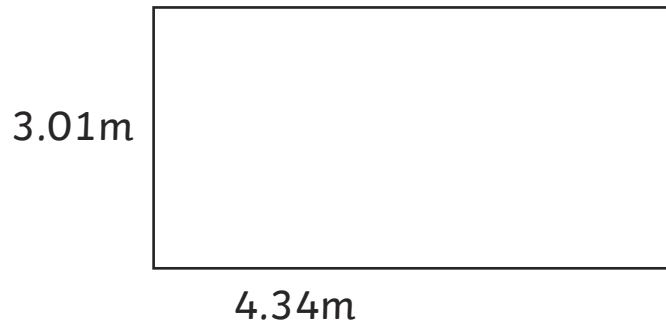
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15. The shop doors must be able to fit large objects through them for deliveries. Calculate the perimeter of each door.
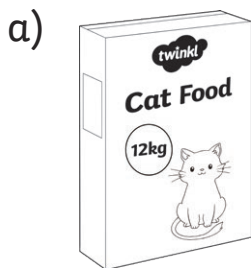
2 markS

2.76m
3.36m

3.01m
4.34m

a) _____

b) _____

16. These boxes arrived at Pet Centre today. Write the total weight of each delivery.
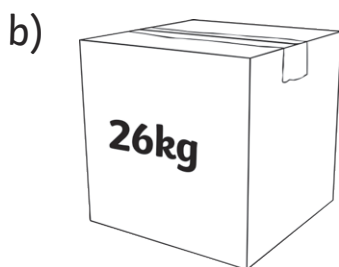
2 marks

a)

Cat Food

12kg

82 boxes of cat food

Use this space for your workings

_____

b)

26kg

25 boxes of aquariums

Use this space for your workings

_____

total for this page

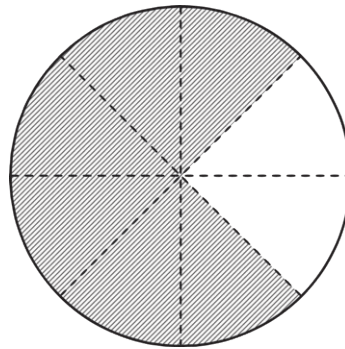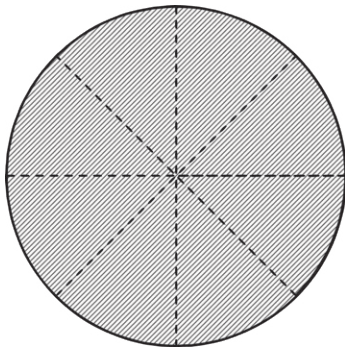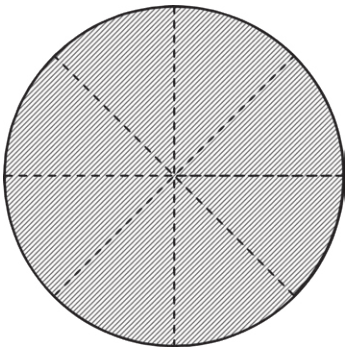17. A box of shoes is 32cm long, 15cm wide and 10cm high. What is the volume of the box?

> Use this space for your workings
>
> _____

18. Look at the shapes below.

a) What fraction of the shape is shaded? _____

b) Write the fraction as a decimal. _____

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this page

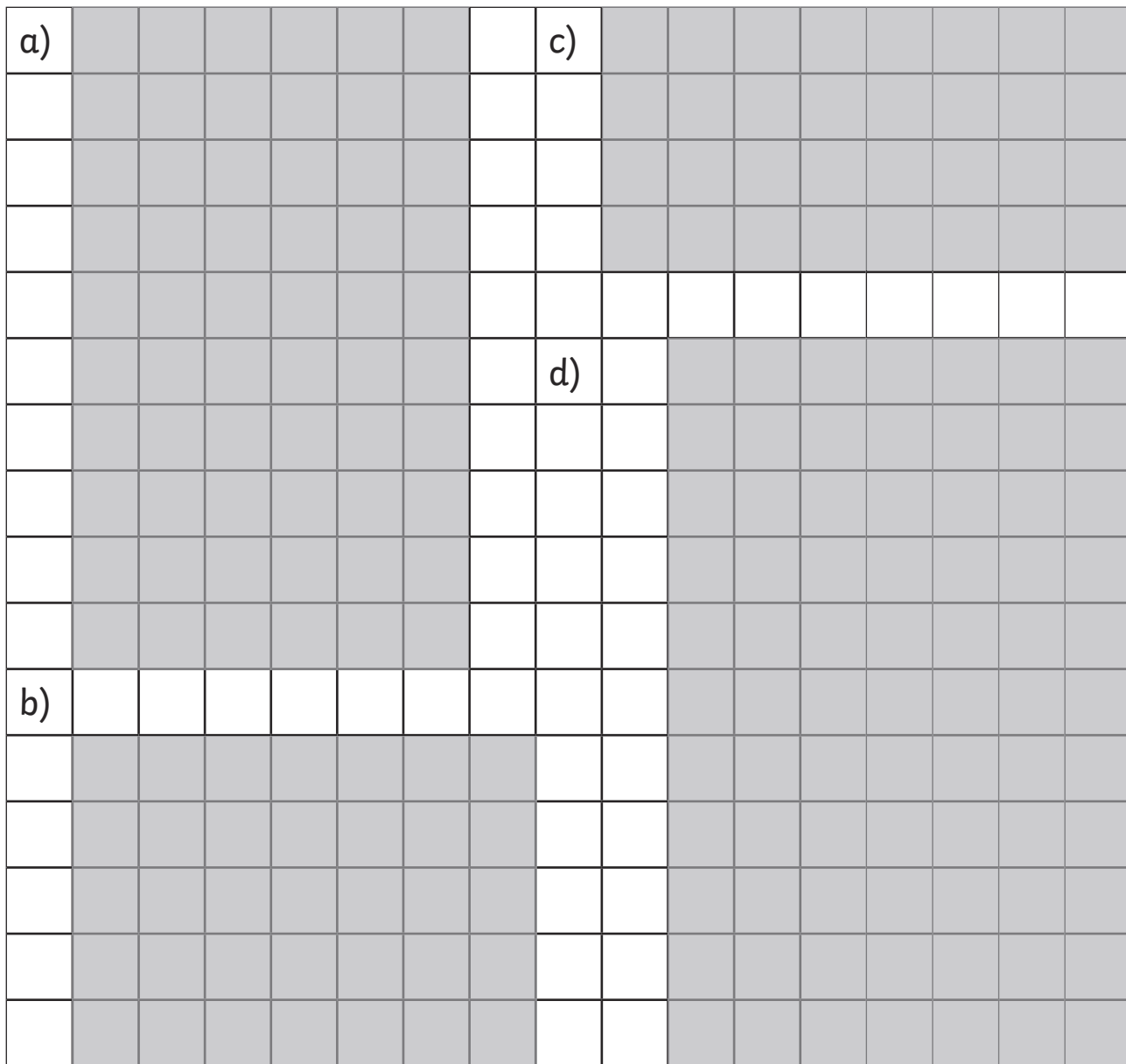19. Write the following fractions as mixed numbers:

a) $\dfrac{12}{5}$ ☐

b) $\dfrac{26}{8}$ ☐

20. The shopping mall must record the number of customers in each store each day. 225 people shopped at the mall on Wednesday. 2/5 went to the food shop and 1/5 went to the pet shop.

a) How many people went to the food shop? _____

b) How many people went to the pet shop? _____

21. The total takings from the shopping mall first floor shops were calculated on Friday evening. Food First made £1356.32. Pet Centre made double this amount and Shoe Rack made three times this amount. How much was made altogether?

Use this space for your workings

_____

22. Find the area of these shapes

a)

c)

d)

b)

a) _____   b) _____   c) _____   d) _____

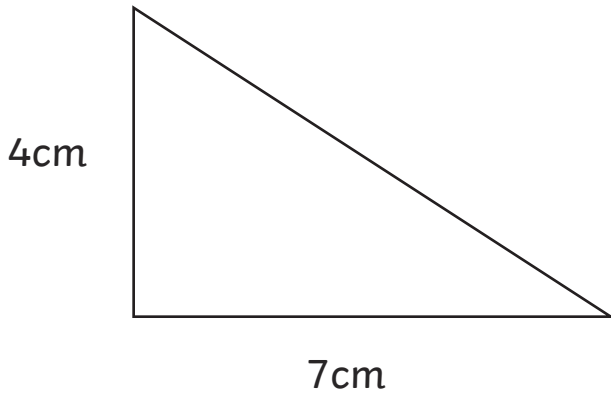## 23. Find the total area of the above four shapes.

_____

24. Joseph pays the wages for all staff in the shopping centre. He looks at their time sheets below. The clock-in machine is running 1 hour and 17 minutes fast. What time did each of these employees actually arrive at work?

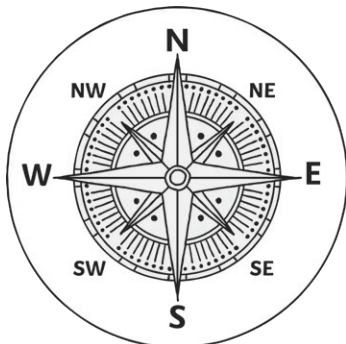   a) Sally 06:42   _____

    b) Barry 10:29   _____

    c) Amanda 16:43   _____

25. Calculate the area of the right-angled triangle.

2 marks

4cm

7cm

Area:_____

26. Which direction will I be facing if:

2 marks

a) I am facing north-east, and turn 135 degrees clockwise?

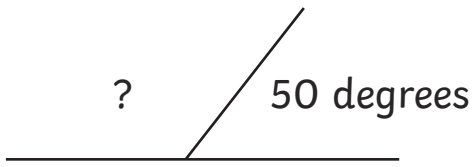_____

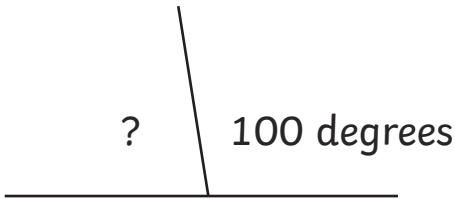b) I am facing south-west and I turn 270 degrees anticlockwise?

_____

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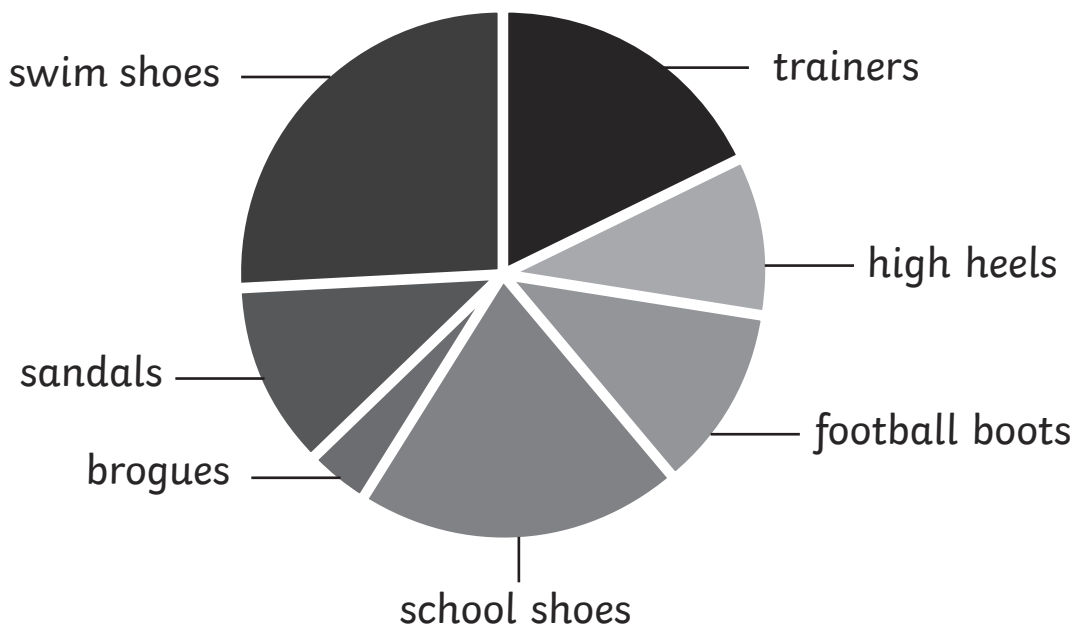
2 marks

27. Calculate the size of each missing angle.

? / 50 degrees

a) _____

? \ 100 degrees

b) _____

Angles are not to scale.

2 marks

28. Look at the chart below:

swim shoes ——— trainers

——— high heels

sandals ——— ——— football boots

brogues ———

school shoes

These were Saturday's sales in Shoe Rack.

a) Which type of shoe was the mode? _____

b) Write two true statements about the sales.

1. _____

2. _____

total for
this page

29. The shopping mall has bought new hoverboards to help security staff move quickly around the large mall. Anita works on the second floor. She travels from her office, around the second-floor shops, down the ramp to the first floor and around each shop there. Her total journey is 5km. This takes her 2 hours in total. How fast was her hoverboard travelling?

Use this space for your workings

_____

END OF TEST

1	a) 6405 b) 22085
2	a) 2114 b) 526
3	5112
4	a) 7 b) two million, nine hundred and twenty-five thousand, five hundred and twenty-one
5	a) 32 b) 80 c) 96 d) 112
6	a) 274 000 b) 84 600
7	a) £48 b) £60 c) £120
8	£800
9	57
10	a) 2100 b) 5040 c) 2160
11	38%
12	a) 08:17 b) 17:43 c) 21:12
13	314.5cm
14	4670mm
15	a) 12.24m b) 14.7m
16	a) 984kg b) 650kg
17	4800cm^3
18	a) $2\frac{6}{8}$ or $2\frac{3}{4}$ or $\frac{11}{4}$ or $\frac{22}{8}$ b) 2.75
19	a) $2\frac{2}{5}$ b) $3\frac{1}{4}$
20	a) 90 b) 45
21	Pet Centre made £2712.64 and Shoe Rack made £4068.96. Total is £8137.92. (Award 2 marks for the correct answer. Award 1 mark for the correct method of calculation and the incorrect answer.)
22	a) 60cm^2 b) 35cm^2 c) 32cm^2 d) 77cm^2
23	204cm^2
24	a) 05:25 b) 09:12 c) 15:26

25	14cm²		
26	a) south	b) north-west	
27	a) 130 degrees	b) 80 degrees	
28	a) swim shoes	b) Any two true statements	
29	2.5kph		