

1.

Write the missing numbers to make the additions correct.

$$500\ 000 +$$

$$+ 500 = 520\ 500$$

$$400\ 000 + 70\ 000 +$$

$$+ 60 = 470\ 960$$

$$300\ 000 +$$

$$+ 800 + 2 = 309\ 802$$

2.

Here are six number cards.

2

3

4

6

8

9

Use each card once to complete the multiplications.

$$\square \times \square$$

x

$$\square \times \square$$

= 24

$$\square \times \square$$

x

$$\square \times \square$$

= 27

$$\square \times \square$$

x

$$\square \times \square$$

= 16

3.

Some crows have landed in the field where some sheep are grazing. The farmer says, "There are 12 animals altogether and I can see 38 legs."

How many of each animal are there?

4.

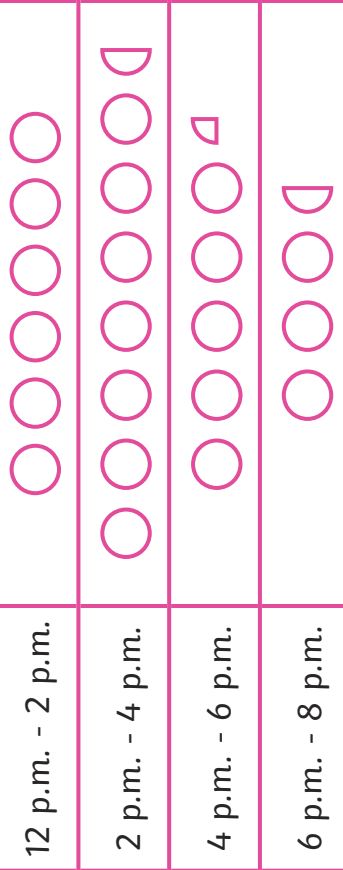
The area of this rectangle is 104cm^2 .

What is the perimeter of the rectangle?



5. This pictogram shows the number of visitors to a park on a Saturday afternoon.

Key $\bigcirc = 20$ people



How many more people visited the park between 12pm and 2pm than between 6pm and 8pm?

How many people visited the park between 12 p.m. and 4 p.m.?

Alice says, "The total number of people that visited the park is a multiple of 10." Is she right or wrong? How can you tell?

6.

Here are four fractions.

5 | 00

417

1/2

3 | 4

Order them from smallest to largest.

1.

Write the missing numbers to make the additions correct.

$$500\ 000 +$$

$$20\ 000$$

$$+ 500 = 520\ 500$$

$$400\ 000 + 70\ 000 +$$

$$900$$

$$+ 60 = 470\ 960$$

$$300\ 000 +$$

$$9000$$

$$+ 800 + 2 = 309\ 802$$

2.

Here are six number cards.

2

3

4

6

8

9

Use each card once to complete the multiplications.

6

x

4

= 24

9

x

3

= 27

8

x

2

= 16

3.

Some crows have landed in the field where some sheep are grazing. The farmer says, "There are 12 animals altogether and I can see 38 legs."

How many of each animal are there?

sheep	sheep legs	crows	crows legs	total
1	4	11	22	26
2	8	10	20	28
3	12	9	18	30
4	16	8	16	32
5	20	7	14	34
6	24	6	12	36
7	28	5	10	38 ✓
8	32	4	8	40
9	36	3	6	42
10	40	2	4	44
11	44	1	2	46

There are 7 sheep and 5 crows:

$$(7 \times 4) + (5 \times 2)$$

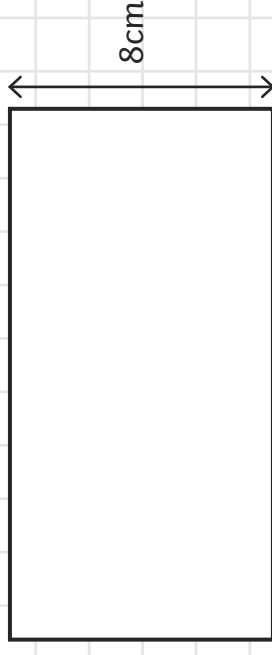
$$= 28 + 10$$

$$= 38$$

4.

The area of this rectangle is 104cm^2 .

What is the perimeter of the rectangle?



$$104 \div 8 = 13$$

The length of the rectangle is 13cm.

$$\text{Perimeter} = 2 \times (l + w)$$

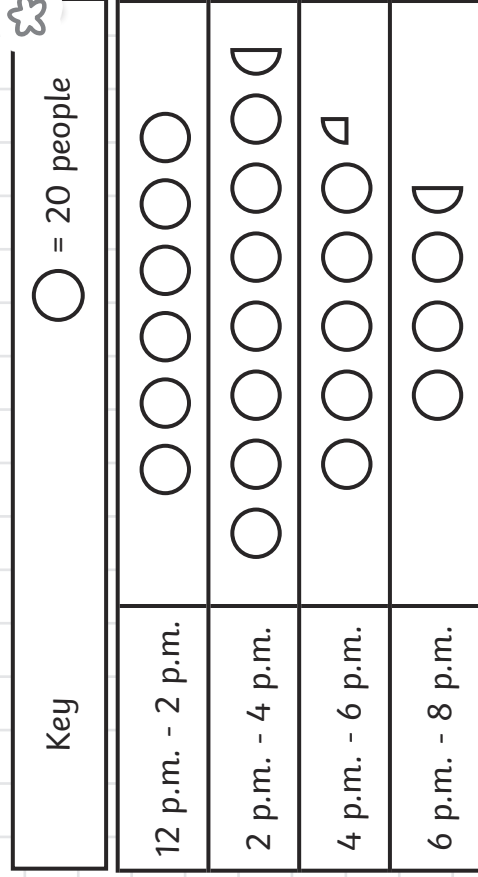
$$2 \times (13 + 8)$$

$$= 2 \times 21$$

$$= 42\text{cm}$$

5.

This pictogram shows the number of visitors to a park on a Saturday afternoon.



How many more people visited the park between 12pm and 2pm than between 6pm and 8pm?

$$120 - 70 = 50$$

How many people visited the park between 12 p.m. and 4 p.m.?

$$120 + 150 = 270$$

Alice says, "The total number of people that visited the park is a multiple of 10." Is she right or wrong?

How can you tell?

The total can't be a multiple of 10 because there is only one symbol which represents 5 people and all of the other symbols represent multiples of 10 people, so the total will have to be a multiple of 5 ending in 5.

6.

Here are four fractions.

$$\frac{5}{8}$$

$$\frac{4}{7}$$

$$1\frac{1}{2}$$

$$3\frac{3}{4}$$

Order them from smallest to largest.

$$\frac{5}{8} = \frac{35}{56}$$

$$1\frac{1}{2}$$

$$\frac{4}{7} = \frac{32}{56}$$

$$\frac{4}{7}$$

$$1\frac{1}{2} = \frac{28}{56}$$

$$5\frac{5}{8}$$

$$3\frac{3}{4} = \frac{42}{56}$$

$$3\frac{3}{4}$$

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