9:06 | The Calendar and Dates

Name: _____ Class: _____

Examples

		365 days = 1 year 2 weeks = 1 fortnight
		7 days = 1 week 12 months = 1 year

1 How many days in 3 weeks?
$3 \times 7 = 21$ days

2 How many years in 60 months?
$60 \div 12 = 5$ years

3 How many days in 2 years?
2×365
$= 730$ days

4 How many days from 8 to 20 September?
$20 - 8 = 12$ days

5 How many days from 8 June to 14 July?
8 to 30 June = 22
+ 14 in July = 14
Total = 36 days

6 How many days from 28 April to 17 June?
28 to 30 April = 2
+ May = 31
+ June = 17
Total = 50 days

Exercise

1 a How many days in 2 weeks?
   b How many years in 36 months?
   c How many days in 3 years?
   d How many fortnights in 16 weeks?
   e How many days in 4 fortnights?
   f How many months in 4 years?
   g How many days in 10 weeks?
   h How many weeks in 84 days?
   i How many (full) weeks in a year?
   j How many months in 10 years?
   k How many weeks in 280 days?
   l How many years in 72 months?

2 How many days from:
   a 13 to 20 June?
   b 1 to 24 April?
   c 22 October to 13 November?
   d 30 March to 21 April?
   e 16 February to 16 March?
   f 7 April to 7 July?
   g 20 October to Christmas Day?
   h 3 August to the end of the month?
   i 10 August to 10 October?
   j 15 January to 9 February?

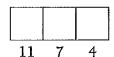## Fun Spot 9:06 | What is bigger when it is upside down?

Put each day in order as it comes during the year. The first one has been done for you.

B Christmas Day ☐   E April Fool's Day ☐   H Fathers' Day ☐

I New Year's Day ☐ 1   M Australia Day ☐   N Anzac Day ☐

R Mothers' Day ☐   S Boxing Day ☐   T New Year's Eve ☐

U Halloween (31 October) ☐   X Valentine's Day (14 February) ☐

Use the letters to complete the riddle.

☐	☐	☐		☐	☐	☐	☐	☐	☐		☐	☐	☐	.
11	7	4		5	8	2	9	4	6		10	1	3	

9:02 Units of Length

1 a 2 cm   b 3 cm   c 6 cm   d 9 cm   e 9 cm   f 12 cm

2 a 80   b 3   c 9   d 8   e 7000   f 900   g 3000   h 120
  i 5   j 15   k 2000   l 11 000   m 5   n 10 000   o 8   p 6
  q 12   r 200   s 62   t 6000

3 a 180   b 120   c 2   d 10   e 300   f 8   g 1440   h 5
  i 1200   j $\frac{1}{2}$ k 15   l 420   m 720   n 600   o 240   p $\frac{1}{4}$

9:03 Measuring Length

1 a 5 cm   b 4 cm   c 2 cm   d 2 cm   e 7 cm   f 4 cm   g 5 cm   h 3 cm
  i 8 cm   j 2 cm

2 a 32 mm   b 8 mm   c 35 mm   d 25 mm   e 51 mm   f 18 mm   g 63 mm   h 74 mm

9:05 Perimeter

1 a 9 cm   b 31 cm   c 24 cm   d 64 cm   e 56 m   f 32 m   g 23 m   h 45 m
  i 16·4 cm   j 48·5 m   k 40 mm   l 64 m   m 52 cm   n 22·6 m   o 30 mm   p 50 cm

2 a 40 cm   b 42 m   c 200 m   d 6 cm   e 134 mm   f 14·4 cm   g 440 m   h 8·4 cm
  i 77 cm   j 60·2 m

9:06 The Calendar and Dates

1 a 14   b 3   c 1095   d 8   e 56   f 48   g 70   h 12
  i 52   j 120   k 40   l 6

2 a 7   b 23   c 22   d 22   e 28 (or 29 in leap year)   f 91   g 66
  h 28   i 61   j 25

9:07 Clocks and Times

1 a 60   b 120   c 600   d 1440   e 30   f 90   g 300   h 330
  i 15   j 135   k 660   l 420

2 a 5 minutes to 9   b 20 minutes to 4   c 10 minutes past 12   d 20 minutes past 3
  e 15 minutes past 6   f 25 minutes to 1   g 10 minutes to 4   h 20 minutes to 1
  i 30 minutes past 12   j 15 minutes past 11   k 25 minutes past 9   l 25 minutes to 5

9:08 Operating With Time

1 a 7 h 30 min   b 7 h 20 min   c 6 h 35 min   d 5 h 40 min
  e 10 h 55 min   f 14 h 5 min   g 13 h 30 min   h 4 h 53 min
  i 10 h 26 min   j 4 h 42 min   k 2 h 46 min   l 5 h 14 min

2 a 3 h   b 4 h   c 6 h   d 7 h   e 11 h   f 11 h
  g 7 h   h 5 h   i 12 h   j 5 h   k 12 h   l 9 h

3 a 15 min   b 22 min   c 30 min   d 25 min
  e 1 h 20 min   f 1 h 20 min   g 2 h 30 min   h 3 h 15 min
  i 34 min   j 2 h 20 min   k 1 h 5 min   l 23 min

10:02 Making Sense of Algebra

1 a $x+2$ b $y+3$ c $3x$ d 6   e $a+8$ f $4y+3$ g $2x+3$ h $y+5$
  i $3a+3$ j $5y+3$

2 a $2y+1$ b $2x+y$ c $x+y$ d $3x+2y$
  e $a+3b$ f $2x+3$ g $2a+3b$ h $3x+4$
  i $5x+2y$ j $4y+5$ k $2x+y+2$ l $a+3b+2$
  m $3a+2b+1$ n $x+2y+3$ o $m+n+4$

10:03 Substitution

1 a 36   b 40   c 11   d 3   e 9   f 15   g 0   h 63
  i 8   j 36   k 17   l 24   m 1   n 6   o 4   p 5

2 a 2   b 8   c 20   d 16   e −3   f 8   g 19   h 20
  i 3   j 124   k 24   l 48   m −8   n −8   o 7   p 52
  q −3   r 12   s 28   t 30   u 3