PERCENTAGE WORD PROBLEMS 6.1A

Find the answers to these percentage word problems.

Round your answers to the nearest whole number where appropriate.

1) In a class of 30 children, 18 of the children have blue eyes. What percentage of the class have blue eyes?

2) In a packet of 40 skittles, 12 are red. What percentage of the skittles are red?
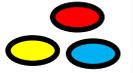
3) Tyger spends 25 minutes studying mathematics, 35 minutes studying science and 40 minutes studying history. What percentage of his time is spend studying science?

4) Frazer scores 70% in a test. If there are a total of 40 marks, how many marks did he get?

5) Toronto FC have lost 5 of the 20 games they have played. What percentage of games have they lost?

6) In a group of 32 children, 25% have blue eyes. How many children do not have blue eyes?

PERCENTAGE WORD PROBLEMS 6.1A ANSWERS

1) In a class of 30 children, 18 of the children have blue eyes. What percentage of the class have blue eyes?

(18 ÷ 30) x 100 = 60
60% of the class have blue eyes.

2) In a packet of 40 skittles, 12 are red. What percentage of the skittles are red?
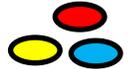
(12 ÷ 40) x 100 = 30
30% of the skittles are red.

3) Tyger spends 25 minutes studying mathematics, 35 minutes studying science and 40 minutes studying history. What percentage of his time is spend studying science?

25 + 35 + 40 = 100 minutes
So he spends 35/100 = 35% of his time studying science.

4) Frazer scores 70% in a test. If there are a total of 40 marks, how many marks did he get?

70% = 0.7
0.7 x 40 = 28
He got 28 marks in the test.

5) Toronto FC have lost 5 of the 20 games they have played. What percentage of games have they not lost?

(5 ÷ 20) x 100 = 25%
100% − 25% = 75%.
They have not lost 75% of their games.

6) In a group of 32 children, 25% have blue eyes. How many children do not have blue eyes?

25% have blue eyes = ¼ .
¼ of 32 = 32 ÷ 4 = 8 children.
8 children have blue eyes.
So 32 − 8 = 24 children do not have blue eyes.