

Maths answers

Monday

Activity 1

- A. 9%
- B. 24%
- C. 65%

15%

63%

Activity 2

False

There are 100 squares. 57 are shaded. This is 57 parts per hundred. This is 57%

Extension: It must be less than 70%. It can't be 100%. A possible answer could be 25%

Tuesday

Activity 1

	10%	20%	50%	70%	90%
160	16	32	80	112	144
420	42	84	210	294	378
340	34	68	170	238	306
680	68	136	340	476	612
126	12.6	25.2	73	88.2	113.4
248	24.8	49.6	124	173.6	223.2

Extension:

Dora has 60 sweets left so she has more.

Wednesday

Activity 1

	5%	1%
160	8	1.6
420	21	4.2
340	17	3.4
680	34	6.8
124	6.2	1.24
248	12.4	2.48

Activity 2

1. 25% of 860 = 215
2. 65% of 740 = 481
3. 23% of 620 = 142.6
4. 75% of 260 = 195
5. 84% of 340 = 285.6

Extension:

56%

65 out of 100

50 out of 100

50%

Mo needs 44, Annie needs 35, Tommy needs 50

Thursday

Activity 1

Percentage	Fraction	Decimal
10%	1/10	0.1
50%	1/2	0.5
25%	1/4	0.25
20%	1/5	0.2
75%	3/4	0.75

Activity 2

Complete the fraction, decimal and percentage equivalents.

$$\text{a) } 32\% = \frac{32}{100} = 0.32$$

$$35\% = \frac{35}{100} = 0.35$$

$$48\% = \frac{48}{100} = 0.48$$

$$\text{c) } 0.29 = \frac{29}{100} \%$$

$$0.71 = \frac{71}{100} \%$$

$$0.03 = \frac{3}{100} \%$$

$$\text{b) } \frac{17}{100} = 17 \%$$

$$\frac{9}{100} = 9 \%$$

$$\frac{90}{100} = 90 \%$$

Extension:

Write $<$, $>$ or $=$ to complete the statements.

$$\text{a) } 50\% \text{ } > \text{ } \frac{5}{100}$$

$$\text{d) } \frac{40}{100} \text{ } = \text{ } 40\%$$

$$\text{b) } 25\% \text{ } < \text{ } \frac{50}{100}$$

$$\text{e) } \frac{70}{100} \text{ } > \text{ } 7\%$$

$$\text{c) } 14\% \text{ } < \text{ } \frac{41}{100}$$

$$\text{f) } 82\% \text{ } = \text{ } \frac{82}{100}$$

Friday

Activity 1

Write the values in order from smallest to greatest.

$$\text{a) } 33\% \quad \frac{30}{100} \quad 3\% \quad \frac{13}{100}$$

$$3\%, \quad \frac{13}{100}, \quad \frac{30}{100}, \quad 33\%$$

$$\text{b) } 299\% \quad \frac{91}{100} \quad 9\% \quad \frac{9}{10}$$

$$9\%, \quad \frac{9}{10}, \quad \frac{91}{100}, \quad 299\%$$

$$\text{c) } 2.5 \quad \frac{25}{100} \quad 250 \quad 25\% \text{ of } 100 \quad \frac{25}{1000}$$

$$\frac{25}{1000}, \quad \frac{25}{100}, \quad 2.5, \quad 25\% \text{ of } 100, \quad 250$$

Activity 2

Less than $\frac{1}{2}$:

$\frac{1}{4}$, 0.25, 7%

Equal to $\frac{1}{2}$:

50% and $\frac{30}{60}$

Greater than $\frac{1}{2}$:

Seven tenths, 70
hundredths, 60%
and 100%

Extension:

Teddy is incorrect, this only works when the denominator is 100 because percent means parts per hundred.