

## Distance, Time and Temperature Part 4

### Exercise Worksheet 5.4 Solutions

Throughout these exercises assume that 1 month = 4 weeks.

1. Convert the following to months:

$$\text{i. } 5 \frac{7}{12} \text{ years} = 67 \text{ months}$$

$$\text{ii. } 20 \frac{10}{12} \text{ years} = 250 \text{ months}$$

$$\text{iii. } 6 \frac{3}{12} \text{ years} = 75 \text{ months}$$

$$\text{iv. } 16 \frac{7}{12} \text{ years} = 199 \text{ months}$$

$$\text{v. } 4 \frac{9}{12} \text{ years} = 57 \text{ months}$$

$$\text{vi. } 8 \frac{1}{12} \text{ years} = 97 \text{ months}$$

$$\text{vii. } 14 \frac{9}{12} \text{ years} = 177 \text{ months}$$

$$\text{viii. } 6 \frac{8}{12} \text{ years} = 80 \text{ months}$$

$$\text{ix. } 14 \frac{8}{12} \text{ years} = 176 \text{ months}$$

$$\text{x. } 2 \frac{1}{12} \text{ years} = 25 \text{ months}$$

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2. Convert the following to years:

i.  $7 \frac{7}{12}$  years = 91 months

ii.  $7 \frac{1}{12}$  years = 85 months

iii.  $5 \frac{8}{12}$  years = 68 months

iv.  $12 \frac{3}{12}$  years = 147 months

v.  $1 \frac{4}{12}$  years = 16 months

vi.  $3 \frac{7}{12}$  years = 43 months

vii.  $13 \frac{6}{12}$  years = 162 months

viii.  $18 \frac{10}{12}$  years = 226 months

ix.  $10 \frac{11}{12}$  years = 131 months

x.  $1 \frac{3}{12}$  years = 15 months

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3. Convert the following to days:

i.  $15 \frac{1}{14}$  months = 422 days

ii.  $20 \frac{1}{28}$  months = 561 days

iii.  $14 \frac{27}{28}$  months = 419 days

iv.  $4 \frac{3}{28}$  months = 115 days

v.  $3 \frac{3}{14}$  months = 90 days

vi.  $17 \frac{4}{7}$  months = 492 days

vii.  $6 \frac{9}{28}$  months = 177 days

viii.  $20 \frac{0}{1}$  months = 560 days

ix.  $21 \frac{5}{7}$  months = 608 days

x.  $15 \frac{3}{28}$  months = 423 days

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4. Convert the following to months:

$$\text{i. } 23 \frac{5}{14} \text{ months} = 654 \text{ days}$$

$$\text{ii. } 26 \frac{9}{14} \text{ months} = 746 \text{ days}$$

$$\text{iii. } 13 \frac{5}{7} \text{ months} = 384 \text{ days}$$

$$\text{iv. } 12 \frac{13}{14} \text{ months} = 362 \text{ days}$$

$$\text{v. } 4 \frac{1}{2} \text{ months} = 126 \text{ days}$$

$$\text{vi. } 12 \frac{1}{2} \text{ months} = 350 \text{ days}$$

$$\text{vii. } 4 \frac{5}{14} \text{ months} = 122 \text{ days}$$

$$\text{viii. } 22 \frac{17}{28} \text{ months} = 633 \text{ days}$$

$$\text{ix. } 17 \frac{23}{28} \text{ months} = 499 \text{ days}$$

$$\text{x. } 5 \frac{9}{14} \text{ months} = 158 \text{ days}$$

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5. Convert the following to days:

i.  $17 \frac{0}{7}$  weeks = 119 days

ii.  $23 \frac{4}{7}$  weeks = 165 days

iii.  $7 \frac{2}{7}$  weeks = 51 days

iv.  $18 \frac{6}{7}$  weeks = 132 days

v.  $22 \frac{4}{7}$  weeks = 158 days

vi.  $14 \frac{5}{7}$  weeks = 103 days

vii.  $4 \frac{3}{7}$  weeks = 31 days

viii.  $24 \frac{3}{7}$  weeks = 171 days

ix.  $17 \frac{0}{7}$  weeks = 119 days

x.  $23 \frac{6}{7}$  weeks = 167 days

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6. Convert the following to weeks:

i.  $26 \frac{4}{7}$  weeks = 186 days

ii.  $20 \frac{1}{7}$  weeks = 141 days

iii.  $19 \frac{6}{7}$  weeks = 139 days

iv.  $25 \frac{2}{7}$  weeks = 177 days

v.  $8 \frac{2}{7}$  weeks = 58 days

vi.  $6 \frac{0}{7}$  weeks = 42 days

vii.  $24 \frac{3}{7}$  weeks = 171 days

viii.  $27 \frac{0}{7}$  weeks = 189 days

ix.  $26 \frac{0}{7}$  weeks = 182 days

x.  $13 \frac{0}{7}$  weeks = 91 days