

Decimals

Where are the Decimal Points?

Activity Sheet 1

1.63 metres, 3.2 kilograms, 2.5 kilometres, 2.5 kg, \$33.20, 180°C, 2.5 hours, 1.2 litre, 164.5 cents per litre, 1.5 litres.

Activity Sheet 2

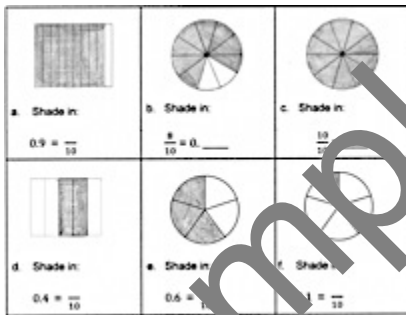
1.92 metres, 1.9 litres, \$21,999.00, 7.6 km, 101.9, 38.7°C, 52.5 kg, 65.78 litres, 152.3 cents per litre, \$100.18, 1.25 litre

Exploring Decimals & Tenths 1

Practice Sheet 1

1. a. 0.1
 b. two tenths, 0.2
 c. $\frac{4}{10}$, 0.4
 d. $\frac{8}{10}$, eight tenths
 e. one (ten tenths), 1.0
2. a. $\frac{2}{10}$, 0.2
 b. $\frac{3}{10}$, 0.3
 c. $\frac{7}{10}$, 0.7
 d. $\frac{6}{10}$, 0.6
 e. $\frac{4}{10}$, 0.4
 f. $\frac{8}{10}$, 0.8

3.



- a. $\frac{9}{10}$ b. 0.8 c. 1
- d. $\frac{4}{10}$ e. $\frac{6}{10}$ f. $\frac{10}{10}$

4.

	hundreds	tens	ones	tenths
a.		0	0	0
b.		5	0	0
c.			0	4
d.		1		0
e.			0	3
f.				9

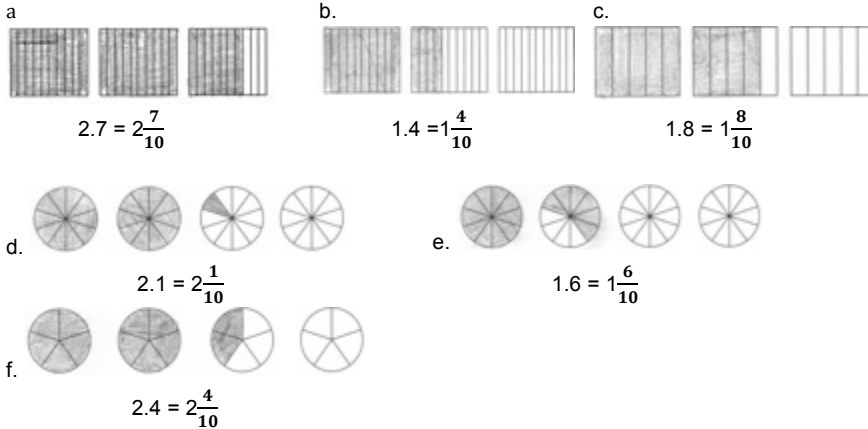
Exploring decimals and tenths 2: Mixed Numbers

Practice Sheet 1

- 1 a: $1\frac{2}{10}$ e. $\frac{1}{10}$
 b. 2.1 f. 10.3
 c. 4.6 g. $21\frac{5}{10}$ ($21\frac{1}{2}$)
 d. $2\frac{1}{10}$ h. 108.2
- 2 a: 1.5, $1\frac{5}{10}$ d. 2.8, $2\frac{8}{10}$
 b. 1.2, $1\frac{2}{10}$ e. 2.8, 10.3, $2\frac{8}{10}$
 c. 2.3, $2\frac{3}{10}$



3.



About How much?

Practice Sheet 1

- 1. \$3
- 2. \$12
- 3. \$8
- 4. \$2
- 5. \$15
- 6. \$9
- 7. \$5
- 8. \$

Phrases will vary.

Practice Sheet 3

Phrases will vary

- 1: \$18
- 2: 72 kilograms
- 3: 25 kilometres
- 4: \$80
- 5: 38 seconds

Exploring Decimals and Hundredths with Money

Practice Sheet 1

1.

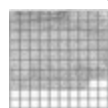
Price	Meaning of 2 in symbols	Meaning of 2 in words
a	\$20	Twenty dollars
b	\$0.02 or 2c	Two cents
c	\$0.20 or 20c	Twenty cents
d	\$2	Two dollars
e	\$0.20 or 20c	Twenty cents

Price	Meaning of 5 in symbols	Meaning of 5 in words
a	\$5	Five dollars
b	\$0.05 or 5c	Five cents
c	\$5	Five dollars
d	\$0.05 or 5c	Five cents
e	\$0.05 or 5c	Five cents

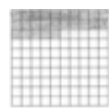
Price	Meaning of 9 in symbols	Meaning of 9 in words
a	\$0.90 or 90c	Nine cents
b	\$0.90 or 90c	Nine cents
c	\$900	Nine hundred dollars
d	\$0.09 or 9c	Nine cents
e	\$90	Ninety dollars

Exploring Decimals and Hundredths Further

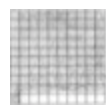
Practice Sheet 1



a. $0.78 = \frac{78}{100}$



b. $0.25 = \frac{25}{100}$

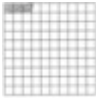


c. $0.91 = \frac{91}{100}$

- 2. a. $4\frac{32}{100}$
- b. $8\frac{4}{100}$
- c. $7\frac{43}{100}$
- d. $9\frac{70}{100}$
- e. $2\frac{86}{100}$ (2.86)
- f. $3\frac{17}{100}$ (3.17)



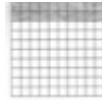
3.



a. $0.03 = \frac{3}{100}$



b. $0.09 = \frac{9}{100}$



c. $0.20 = \frac{20}{100}$

4. a. $2\frac{2}{100}$ b. $4\frac{6}{100}$ c. $7\frac{8}{100}$ d. $8\frac{30}{100}$

Practice Sheet 2

1. a. 1.30 pm b. 38.08, 38.29, 38.37, 38.4
 2. a. 0.8 b. 2.6 c. 3.12 d. 3.02 e. 2 f. 10.9
 3. 540.82, 620.9, 729.04, 729.32, 729.4, 843.01, 843.10

Exploring decimals on measuring scales

Practice Sheet 1

1. $0.2 = \frac{2}{10}$, $0.5 = \frac{5}{10}$

$0.4 = \frac{4}{10}$, $0.7 = \frac{7}{10}$

2. $0.3 = \frac{3}{10}$



$0.6 = \frac{6}{10}$



$0.8 = \frac{8}{10}$

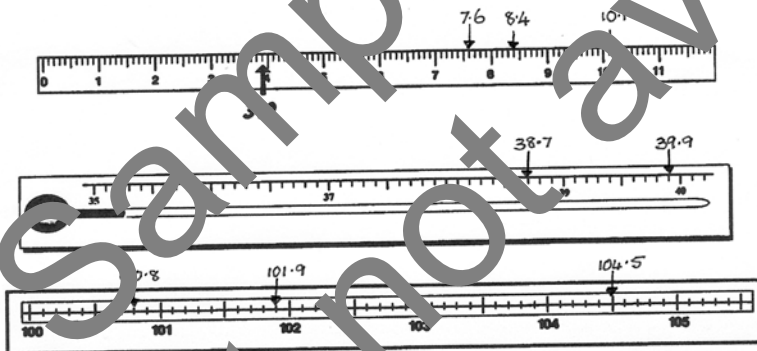


$0.1 = \frac{1}{10}$



3. (b). 6.9 cm, (c) 8.2 cm, (d) 10.1 cm (e) 12.0 cm

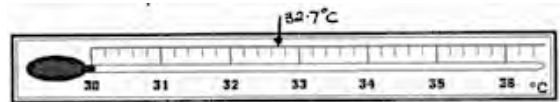
4.



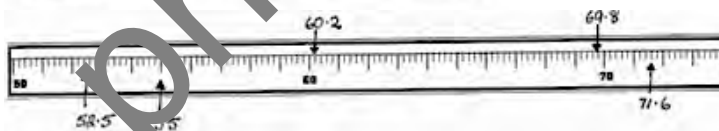
Practice Sheet 2

1. 39.7°C, 2. 19.3°C

3.



5.



What's the Decimal Number?

1. 12.34 5. 2.049
 2. 5.39 6. 7.03
 3. 24.5 7. 26.71 Or 28.71
 4. 6.81



Multiplying & Dividing Decimals by 10, 100, 1000

Practice Sheet 1

Maya: \$13.60, \$219.80, \$11.70, \$21.70, \$141.10, \$61.40

Serena: 136.00, \$219.00, \$117.00, \$88.00, \$798.00, \$2,198.00

Practice Sheet 2

1. \$15.36
2. \$97.89
3. \$6.45
4. \$14.50
5. \$0.22 (or 22 cents)
6. \$0.07 (or 7 cents)
7. \$2.09
8. \$3.05

Practice Sheet 3

1. a. 32.5 b. 0.027
c. 2.0 d. 27,6000
e. 53.7 f. 3.196
g. 62.0 h. 1,201.0
i. 0.509 j. 0.00384
k. 1.26 l. 0.057
m. 0.0225 n. 3.2
2. a. \$156.95 5. \$ 3.98
b. \$170.30 \$156.50
3. a. 5.28 km \$ 99.50
b. 11.056 km \$115.40
4. 3.427m x 4.175 m \$ 29.00
\$199.50
\$603.88

Is the Answer Reasonable?

Practice Sheet 1

1. 7503
2. 11.035
3. 1474.3
4. 230.3
5. 523.4
6. 670.51
7. 5349.12
8. 140054
9. 106.92
10. 52.536

Practice Sheet 2

1. 606
2. 8316
3. 31.98
4. 31.3
5. 28.85
6. 25.029
7. 14.6
8. 191.2
9. 5.5
10. 30.1

Practice Sheet 3

1. No
2. No
3. Yes
4. No
5. No
6. Yes
7. No
8. Yes
9. Yes
10. No

Practice Sheet 4

1. No
2. Yes
3. Yes
4. Yes
5. No
6. Yes
7. No
8. No
9. No
10. Yes

Practice Sheet 5

1. Yes
2. No
3. No
4. No
5. Yes
6. No
7. No
8. Yes
9. No
10. No

Practice Sheet 6

There are three possible answers to each of these.
Check your answer with a calculator.

