

Unit 23.1

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|-------------|----------|----------|----------|
| 1. a) 14 cm | b) 18 cm | c) 18 ft | d) 24 ft |
| e) 44 ft    | 3. 24 m  | 4. c     |          |
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Unit 23.2

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|-------------|----------|-----------|----------|
| 1. a) 11 cm | b) 12 cm | c) 20 cm  | d) 12 ft |
| e) 13 cm    | f) 15 ft | 2. 18 yds | 3. d     |
| 4. a) 6 in  | b) 8 in  |           |          |
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Unit 23.3

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|------------|---------|----------|----------------|
| 1. a) 22 m | b) 24 m | c) 13 in | d) 12 in; 1 in |
| 2. a) C    | b) A    | c) D     | d) B           |
| 3. 18 yd   | 4. b    | 5. 24 cm |                |
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Unit 23.4

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|---------------|-------------|-------------|-------------|
| 1. a) 12 sq m | b) 15 sq in | c) 14 sq cm | d) 16 sq ft |
| 2. a) 6 sq cm | b) 64 sq cm | 3. 20 sq ft | 4. b        |
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Unit 23.5

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|-------------------|----------------|----------------|----------------|
| 1. a) 11 sq units | b) 9 sq units  | c) 10 sq units | d) 18 sq units |
| 2. a) 11 sq cm    | b) 17 sq units | 3. 200 sq cm   | 4. d           |
| 5. 39 sq in       |                |                |                |
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Unit 23.6

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|------------------------|---------------------|---------------------|---------------------|
| 1. 12 cubic units      | b) 20 cubic units   | c) 32 cubic units   | d) 12 cubic units   |
| 2. a) $16\text{ cm}^3$ | b) $60\text{ cm}^3$ | c) $16\text{ cm}^3$ | d) $60\text{ cm}^3$ |
| 3. 12 cubic units      | 4. b                |                     |                     |
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Unit 23.7

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|--|----------------|----------|------|
| 1. $24\text{ cm}^2$                        | 2. 36 sq units | 3. 20 ft | 4. d |
| 5. area=16 sq units, volume=32 cubic units |                |          |      |
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Unit 23.8

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|--------------------|-----------------|----------|---------------------|
| 1. 20 cm           | 2. 16 in        | 3. 32 in | 4. $21\text{ cm}^2$ |
| 5. $18\text{ m}^2$ | 6. 8            | 7. 8 cm  | 8. 4 cm             |
| 9. 9 meter         | 10. 50 sq meter |          |                     |
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